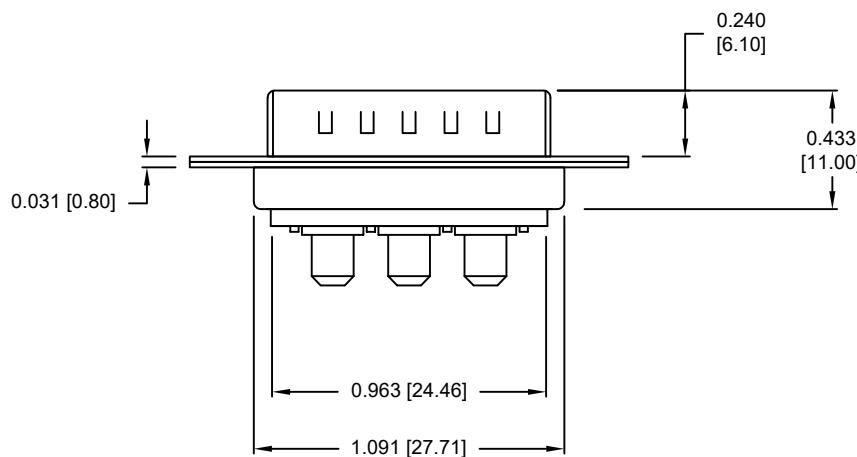
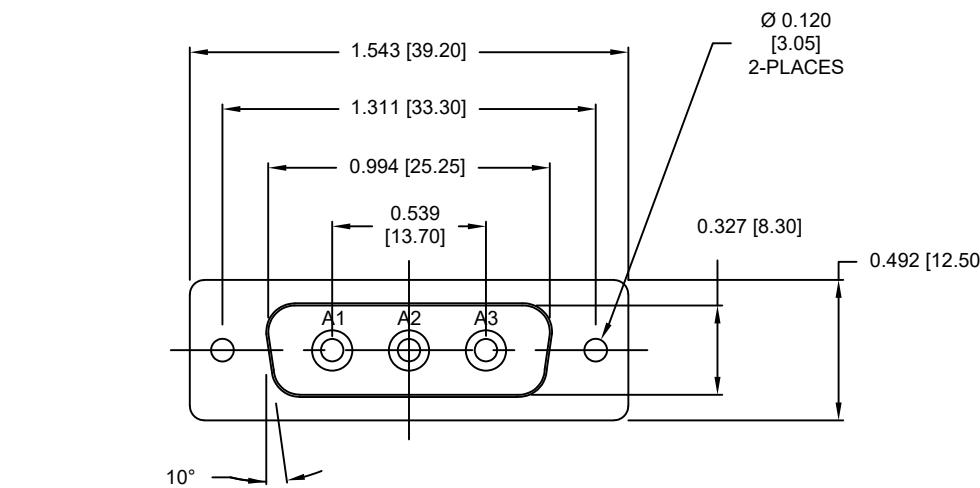


DESCRIPTION: POWER - VERTICAL - MALE - MACHINED



SEE SHEET 2
FOR CONTACT DIMENSION DETAILS

SPECIFICATIONS:

ELECTRICAL:	
INSULATION RESISTANCE:	5 GOhms MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VAC FOR 1 MIN
WORKING VOLTAGE:	250V
OPERATING TEMPERATURE:	-55°C TO +125°C
POWER CONTACT RESISTANCE:	2.0 mOhms MAX.
POWER CONTACT AMPERAGE:	SEE P/N KEY
MECHANICAL:	
CONTACT INSERTION FORCE:	4.5 Kg MAX.
CONTACT SEPARATION FORCE:	0.3 Kg MIN.
MATERIALS:	
CONTACTS:	COPPER ALLOY, GOLD FLASH
INSULATOR:	PBT UL94V-0 RATED
SHELL:	230°C PROCESS TEMP.
HARDWARE:	NICKEL PLATED STEEL
	NICKEL PLATED BRASS

681M3W3103LYYY

0 = 40 AMP POWER // STANDARD PCB TAILS
1 = 40 AMP POWER // 2.22mm PCB TAILS
2 = 20 AMP POWER // STANDARD PCB TAILS

0 = NO HARDWARE _____
1 = 0.098" CN PCB SIDE
2 = 0.236" CN PCB SIDE
3 = 0.236" CN MATING SIDE
4 = 0.237" BOARDLOCK PCB SIDE
5 = 0.224" BOARDLOCK PCB SIDE

1 = GOLD FLASH _____

RoHS COMPLIANT

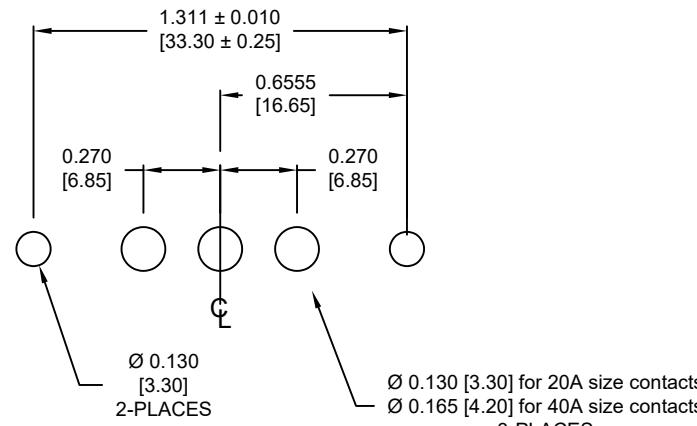
	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF NorComp AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.	DRAWN:
		P. JENKINS
	DATE:	08/22/2011

UNITS = inches [mm]

DO NOT SCALE FROM DRAWING

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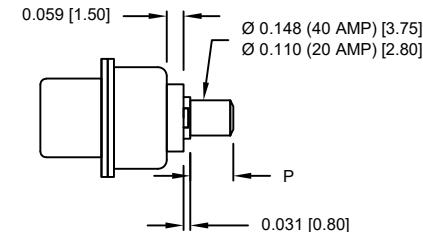
SCALE: NTS	1	3	REV 7
DWG NO. 681M3W3103LYYY			



RECOMMENDED PCB LAYOUT

NOTE:
SIGNAL AND POWER CONTACTS
COME PRE-LOADED INTO INSULATORS

DIMENSIONS (in/mm)	
OPTION	P
0 & 2	0.177
	4.50
1	0.087
	2.22

POWER CONTACTS

RoHS COMPLIANT



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DRAWN:
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DATE:
08/22/2011

UNITS = inches [mm]

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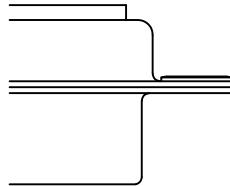
NorComp

SCALE: NTS	SHEET 2	OF 3	REV 7
DWG NO. 681M3W3103YYYY			

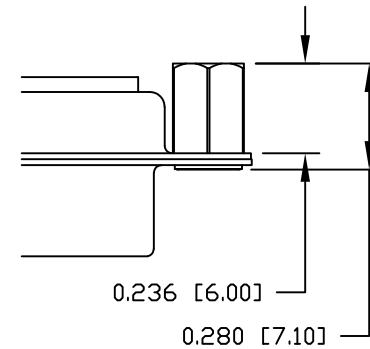
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:
ALL DIMENSIONS ARE ± 0.010

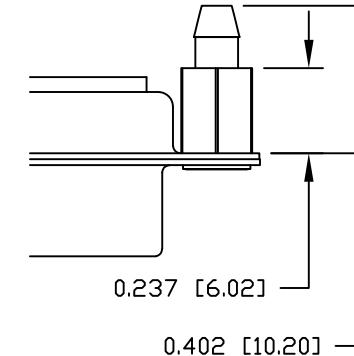
0 NO HARDWARE



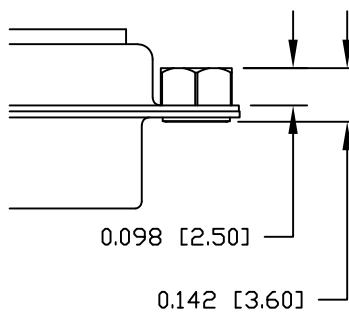
2 0.236" PCB SIDE



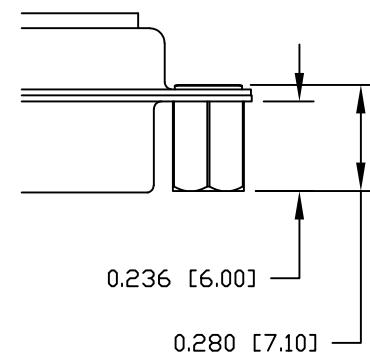
4 0.237" PCB SIDE



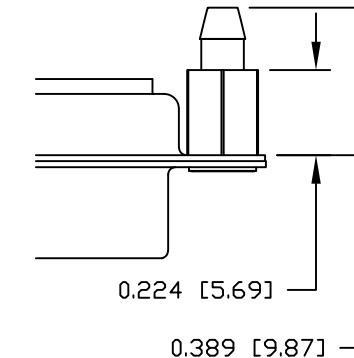
1 0.098" PCB SIDE



3 0.236" MATING SIDE



5 0.224" PCB SIDE



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DRAWN:
P. JENKINSDATE:
08/22/2011

UNITS = inches [mm]

DO NOT SCALE FROM DRAWING

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SCALE: NTS	SHEET 3	OF 3	REV 7
DWG NO. 681M3W3103YYYY			